

NARRATIVE REPORT

UPPER MISSISSIPPI RIVER WILDLIFE & FISH REFUGE

LANSING DISTRICT

Fiscal 1975

Douglas M. Mullen  
District Manager

UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. FISH & WILDLIFE SERVICE

LANSING, IOWA

## I. General

### A. Weather Conditions

Temperatures averaged below normal for much of the year, with only August, September, October, and June averaging above normal. Several areas along the river reported frost on September 3, the earliest in 35 years. Precipitation averaged above normal from July through December, with most of it falling in heavy thunderstorms during August and September. Precipitation averaged near normal for the winter months, but most of it fell as snow. Snow covered the ground from December 1 through April 1. Snowfall totaled 51 inches--23 inches above normal. Deepest snow accumulation was 17 inches in early March, compared to only 7 inches in February of FY-74. Rainfall was above normal in April, but below normal in May and June.

### B. Habitat Conditions

#### 1. Water

The pool remained nearly one-half foot below normal from July 1 until July 18 when several barges ran aground at the Lansing light. This forced the Corps to raise the pool level to 21.24, over a foot above normal. The pool was held at or above normal from July 18 through December 31. During September and October low water flow through Lock & Dam 8 allowed the water levels to drop well below normal in the Reno bottoms, draining most of the shallower lakes and sloughs. New Albin Big Lake (200 acres) was dry for the opening of the waterfowl hunting season. The pool remained near normal from the first of January until April 10, then began rising rapidly with the spring snow melt. The river crested at 10.02 feet above normal on May 3, only 1.11 feet below the 1969 level and 4.73 feet below the record 1965 level. The river was still 2.58 feet above normal on June 30.

#### 2. Food and Cover

Near normal water levels in the middle and lower portion of the pool during the summer and fall months completed the recovery of the aquatic vegetation killed by the 1972 floods. Low water levels in the upper areas of the pool caused large mud flats for excellant smartweed and nut grass growth. Overall, waterfowl food supplies and availability were excellent.

Deer, upland game and furbearers had excellant food and cover for the Summer, fall, and winter months. High water in May forced all but the furbearers to leave the area for more than a month. Most had returned to the refuge by the middle of June.

## II. Wildlife

### A. Migratory Birds

#### 1. Waterfowl

Ducks: The summer breeding population consisted of 1,000 Mallards, 10 blacks, 500 blue-winged teal, 2,400 wood ducks, and 400 hooded mergansers. This was an increase of 500 mallards, 100 blue-winged teal, 200 wood ducks, and 200 hooded mergansers over the FY-74 breeding population. Estimated production was 1,600 mallards, 20 blacks, 800 blue-winged teal, 5,800 wood ducks, and 900 hooded mergansers. This was an increase of 600 mallards, 100 blue-winged teal, 500 hooded mergansers, and a decrease of 300 wood ducks from FY-74.

Fall migrating blue-winged teal and American widgeon first arrived during the week ending August 10, the same week as in FY-74. The Fall migration peaked at 100,810 on the week ending November 16. The FY-74 peak occurred on the week ending October 6, and totaled 64,650 ducks. By years end there was still 20 swans, 100 mallards, 100 scaup, 50 goldeneyes, and 100 common mergansers using the pool. Total days use for the September-December period was 3,976,490, a 13% increase over the 3,460,030 days use recorded in FY-74. Total days use for the year was 6,013,490, a 2% increase from the 5,925,290 recorded in FY-74.

For the month of January the district duck population consisted of the usual compliment of 20 mallards. In late February and early March widgeon, canvasbacks, scaup, goldeneyes, buffleheads, and common mergansers began to arrive. The peak population of 50,700 ducks occurred the week ending April 19, the same week as last years peak of 44,500 ducks. Duck numbers than decreased sharply to a breeding population of 4,310 the week ending June 7. Total duck days use for the January-April period was 1,404,130 a 19% decrease from the FY-74 total of 1,735,090.

Geese: The first fall migrating geese were seen the week ending September 14 and the last were observed the week ending December 14. The peak population was 300 Canadas and 100 snows the week ending October 19, the same as in FY-74. Total days use for FY-75 was 151,200, a 771% increase from the FY-74 total of 19,530. The first spring migrating Canada geese arrived the week ending March 8. The peak population of 5,000 was 4,500 above the FY-74 spring level. Thirty snow geese were observed during the spring migration. All geese were gone by May 31.

Swans: The fall peak of Whistling swans totaled 34 birds compared to 300 in FY-74. Spring use peaked at 450 birds during the week ending April 19, compared to a peak of 100 during the spring of FY-74. Total days use was 7,700, a 40% increase from the 4,650 use days recorded in FY-74.

Coots and Gallinule: Coot peaked at 60,000 during the fall and 9,000 during the spring. The FY-74 peaks were 40,000 and 9,000 respectively. The breeding population of coot was 200 and production was 300. Total days use

for coot was 1,846,660, a 29% increase from the FY-74 total of 1,320,200. Gallinules peaked at 200 during the fall and 150 during the spring. The FY-74 peaks were 500 and 150 respectively. The breeding population was 200 and the production was 100. Total days use for gallinule was 35,200, the same as in FY-74.

## 2. Other Water Birds

Egrets: Migrating great egrets were last observed the week ending November 16 and were first seen the week ending April 12. Peak populations were 800 during the fall and 400 during the spring, the same as in FY-74. Egret production from the one rookery in the pool totaled 400 young, down 100 from FY-74.

Fourteen cattle egrets were observed near the Genoa rookery for the second year in a row. No production has been recorded to date.

Grebes: Nothing to report.

Herons and Bitterns: The great blue heron fall population peaked at 2,100 on August 20 and the spring population peaked at 1,200 on May 3. Production, using a 20% sample of nest trees was 900 young, down 400 from the FY-74 estimate. Severe storms probably caused this marked decrease. Green herons, black and yellow-crowned night herons, plus American and least bitterns were present in small numbers and nested in the district.

Cormorants, Loons Gulls, Terns and Others: Nothing to report.

## 3. Shorebirds.

Nothing to report.

## 4. Doves.

Nothing to report.

## B. Upland Game Birds.

Wild turkey: Birds continue to spread from the Reno, Minnesota stocking site, with one flock of nine birds observed near New Albin, Iowa 6 miles away. More than 200 use the refuge bottoms during the summer and fall months.

## C. Big Game Animals

White-tailed deer: Low water during the summer and fall allowed about 50 deer to use the area, especially during the hunting season. The refuge offered good browse and cover for about 30 wintering deer.

D. Fur Animals, Predators, Rodents and Other Mammals

Muskrats: The muskrat population is determined from house counts on 16 survey areas throughout the district. There were only 637 houses counted in FY-75 compared to 1,055 in FY-74. Heavy trapping appears to be reducing the population.

Beaver: The beaver house count gave 40 active lodges on three transect routes, compared to 43 in FY-74. Light trapping pressure during the fall and winter of 1974 allowed an increase in the spring breeding population, and many new house starts were seen during the summer of 1975. The Reno Bottoms beaver population remains high and appears to help repopulate the adjacent areas in Iowa and Wisconsin.

Otter: Winter track counts revealed only three or four otter families using the district. Iowa biologists believe that possible mortality from beaver trapping may be causing this low population.

Red Fox: The red fox population remains low because of mange and heavy trapping pressure.

E. Hawk, Eagles, Owls, and Crows.

Hawks, Owls, Crows: Nothing to report.

Bald Eagle: Eagle numbers continue high with a fall peak of 100 and a spring peak of 70 birds estimated, compared to 100 and 150 during FY-74.

The Reno bottoms pair of Bald Eagles raised three young in FY-75, compared to two in FY-74. Total young since the nest was discovered in 1969 now stands at eleven eaglets.

G. Fish.

Summer and fall sport fishing was excellant with large catches of bullheads, bass, bluegills, crappie, and walleye common, especially in the upper end of the pool and the Reno bottoms. Ice fishing was also excellant mostly due to the good ice conditions from December 1 through March 15. Low water made commercial fishing only fair to good.

H. Reptiles and Amphibians. Nothing to report.

I. Disease. Nothing to report.

J. Rare and Endangered Species. Nothing to report.

### III. Refuge Development and Maintenance

#### A. Physical Development and Maintenance

No major physical development was done by the Fish & Wildlife Service on the Lansing District during FY-75.

The Corps of Engineers developed Millstone landing, north of New Albin, Iowa, adding gravel, a new boat launching area, and toilets to the area.

All equipment and building maintenance was carried with the help of two N.Y.C. students and a summer assistant. Vehicles and boats were washed regularly and the workshop was kept neat, orderly and safe. Boat landings and sandbars were cleaned several times and posted with litter signs. Three cannon-net sites were prepared for wood duck banding.

#### B. Planting through F. Fires

Nothing to report.

#### IV. Resource Management

##### A. Grazing and B. Haying

None.

##### C. Fur Harvest

###### Fur Catch FY-75

<u>Species</u>	<u>No. Reports</u>	<u>Catch</u>	<u>Value</u>	<u>Pelt Averages</u>
Muskrats	218	27,705	\$73,880.13	\$2.67
Mink	33	32	537.30	16.79
Beaver	24	190	2,176.45	11.45
Raccoon	22	84	919.00	10.94
Opossum	1	3	3.00	1.00

Two hundred and six trappers bought permits in this district during the Fy-75 season. This was 16 more than the FY-74 season. The increase in trappers was directly related to the increase in fur prices. Trapping conditions were good but the catch was only fair due to low numbers of muskrats. The total catch decreased from 33,391 reported in FY-74 to only 27,705 in FY-75. Muskrat prices increased by thirteen cents a pelt.

All three states were informed that no beaver trapping would be allowed on the refuge after March 1. Since Minnesota set their season in late March and early April, the Reno bottoms were closed to trapping in FY-75. Low pelt prices and lack of interest kept the take down in Iowa and Wisconsin. Only 190 beaver were taken in FY-75 compared to 412 in FY-74.

##### D. Timber Removal

None.

##### E. Commercial Fishing

Commercial fishing was only fair to good through most of FY-75, mostly due to low water conditions. Good catches of catfish and bullheads were made throughout the summer, but low water left many winter hauls too shallow to pull.

##### F. Other Uses

There are 44 special use permits in effect in the district covering house-boats, boathouses, boat docks, and commercial fishing bases on Service and Corps of Engineers land. All structures are inspected yearly. There are also 12 other permits covering access areas, cabin sites, barge moorages, power line right-of-ways, boat liverys, and a fish float.

A. Wood Duck Nesting Cylinders and Modified Cavities

Only one of the eight metal nesting cylinders were used by wood ducks in FY-75 compared to two in FY-74. The one nesting attempt was not successful. The other cylinders were used by squirrels, owls, and wasps.

B. Wood Duck Banding

Wood Duck banding was done entirely with the cannon-net again this year. Three cannon-net sites were cleared of brush and grass for permanent locations. Six shots were made capturing 120 birds. The wood ducks banded included:

	AHY	HY	Local	Total
Male	17	56	2	75
Female	<u>3</u> 20	<u>42</u> 98	0 2	<u>45</u> 120

C. Wood Duck Flight Counts

Spring flight counts have been conducted at three different stations since FY-63 to determine the district wood duck breeding population. The counts are conducted from the middle of April through the first week in May. The breeding population for FY-75 was calculated at 2,392, nearly the same as the 2,366 recorded in FY-74. Numbers of wood ducks counted at stations were:

	FY-63	FY-72	FY-73	FY-74	FY-75
Crooked Creek	84	92	90	104	87
Village Creek	26	174	172	170	173
Wexford Creek	50	76	72	90	106

D. Waterfowl Hunter Bag Checks

The average daily bag limit of ducks during the FY-75 was 2.42 compared to 2.34 in FY-74. The average daily bag on opening weekend was 2.72 compared to 2.36 in FY-74. Wood Duck ranked number 1 in the bag.

VI. Public RelationsA. Recreational Use

## Day Use Comparisons

<u>Year</u>	<u>Fishing</u>	<u>Misc.</u>	<u>Ducks</u>	<u>Deer</u>	<u>Other</u>	<u>Total</u>
FY-73	139,700	94,800	14,380	380	250	249,510
FY-74	118,200	70,450	11,250	540	290	200,730
FY-75	131,000	99,900	10,630	650	310	242,490

Hunting and fishing use is determined from periodic car counts at all landings, with sample area counts between the total counts. Miscellaneous use (swimming, boating, skiing, etc.) is determined from monthly total head counts and weekly sample area counts. Fishing visits increased probably because of the excellant ice fishing and the letup in the gasoline squeeze. Miscellaneous use increased because of the warm, sunny summer and mild fall.

C. Refuge Participation

The district manager presented programs to the New Albin Community Club, the Lansing Lions Club, and the New Albin 4-H Club. He assisted in the La Crosse Sport-O-Rama. He joined the Lansing Lions Club. Thirteen news releases were issued.

D. Hunting

**Big Game:** Deer hunting activity increased on the refuge again this year, primarily due to the continued high deer population. An estimated 16 deer were harvested in FY-75 by shotgun and bow.

**Upland Game:** Very few rabbits, squirrels, or grouse are bagged on the refuge. Those that are taken are usually incidental to waterfowl hunting. High fur prices continue to bring out the raccoon hunters, with an estimated 35 raccoon taken on the refuge with the aid of dogs.

**Waterfowl:** Total hunting activity decreased 6% over FY-74, probably due to the Wednesday openings in Wisconsin and Minnesota and the bluebird weather.

The waterfowl season was rated as fair to good in Wisconsin and Iowa, and very good in Minnesota. Minnesota chose a straight through season, opening at noon on Wednesday, October 2 and closing November 15. Large numbers of wood ducks, widgeon, and blue-winged teal allowed most hunters to limit out on the first few days of the season. A 4:00 P.M. closing allowed many ducks to move back into the area for evening feeding, holding ducks in the bottoms throughout the season.

Iowa chose the point system, running their season from October 5 through 12, and October 26 through December 1. Most ducks left the Iowa portion of the

pool after opening weekend, and hunting remained only fair to good throughout the season.

Wisconsin chose the point system for the second year, and ran their season from October 2 through November 20. The major change from last year was the one-half hour before sunrise opening which cut down on violations. Opening day success was poor and sky-busting was common. Few ducks were taken until later in the season.

In an effort to reduce canvasback hunting mortality the refuge was closed to canvasback and redhead hunting this year. Fortunately the canvasback population on the pool did not peak until November 16, at 10,000 birds. By this time there were few hunters using the pool. As it was most late season hunters reported that the only thing flying most of the time was canvasbacks.

#### E. Violations

Eight violators were apprehended in the district by refuge personnel, compared to 11 during the FY-74 season. Most were early shooting violations during the Iowa season. State wardens also had a good year on the district.

#### F. Safety

All safety literature was reviewed as it was received and the refuge staff meetings included safety discussions and films. District personnel recorded no accidents during FY-75 and no visitor fatalities occurred.

VII. Other Items

10.

A. Items of Interest

Nothing to report.

Name

Douglas M. Mullen

Personnel Title

District Refuge Manager

Submitted By:

Douglas M. Mullen  
Signature

District Refuge Manager  
Title

December 15, 1975  
Date

DISTRICT: Lansing

MONTH: July F.Y. 75

	DAYS	USE	Week ending:	7/6	7/13	7/20	7/27	8/3	MONTHLY	TOTAL	AVERAGE
WATERFOWL POPULATIONS	: FOR PERIOD :										
COOT	:	7000	:	200	:	200	:	200	:	200	:
SWAN	:		:		:						
CANADA GOOSE	:		:		:						
WHITE FRONT	:		:		:						
SNOW/BLUE	:		:		:						
OTHER	:		:		:						
TOTAL GEESE	:		:		:						
MALLARD	:	28000	:	800	:	800	:	800	:	800	:
BLACK	:	350	:	10	:	10	:	10	:	10	:
GADWALL	:		:		:						
WIDGEON	:		:		:						
PINTAIL	:		:		:						
G.W. TEAL	:		:		:						
B.W. TEAL	:	17500	:	500	:	500	:	500	:	500	:
SHOVELER	:		:		:						
WOOD DUCK	:	84000	:	2400	:	2400	:	2400	:	2400	:
REDHEAD	:		:		:						
CANVASBACK	:		:		:						
RING-NECK	:		:		:						
SCAUP	:		:		:						
GOLDENEYE	:		:		:						
BUFFLEHEAD	:		:		:						
RUDDY	:		:		:						
OLD SQUAW	:		:		:						
SCOTER	:		:		:						
COMMON MEGANSER	:		:		:						
RED BR. MEGANSER	:										
HOODED MEGANSER	:	14000	:	400	:	400	:	400	:	400	:
TOTAL DUCKS	:	143850	:	4110	:	4110	:	4110	:	4110	:

## DISTRICT: Lansing

MONTH: August

F.Y. 75

WATERFOWL	DAY'S USE	WEEK ENDING:	8/17	8/24	8/31	MONTHLY	TOTAL	AVERAGE
POPULATIONS	FOR PERIOD:	8/10						
COOT	5600	200	200	200	200		800	200
SWAN								
CANADA GOOSE								
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE								
MALLARD	47600	800	1000	2000	3000		6800	1700
BLACK	2800	50	50	100	200		400	100
GADWALL								
WIDGEON	840		10	10	100		120	30
PINTAIL	140				20		20	5
G.W. TEAL	140				20		20	5
B.W. TEAL	42000	500	500	2000	3000		6000	1500
SHOVELER	140				20		20	5
WOOD DUCK	100800	2400	3000	4000	5000		14400	3600
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP								
GOLDFENEYE								
BUFFLEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON Merganser								
RED BR. MERGANSER								
HOODED MERGANSER	11200	400	400	400	400		1600	400
TOTAL DUCKS	205660	4150	4960	8510	11760		29380	7345

Lansing DISTRICT:

MONTH: September

F.Y. 75

WATERFOWL POPULATIONS	DAY'S USE FOR PERIOD	Week ending: 9/7	9/14	9/21	9/28		MONTHLY TOTAL	AVERAGE
COOT	35000	300	500	1200	3000		5000	1250
SWAN								
CANADA GOOSE	560		10	20	50		80	20
WHITE FRONT								
SNOW/BLUE								
OTHER	560		10	20	50		80	20
TOTAL GEESE								
MALLARD	140000	5000	5000	5000	5000		20000	5000
BLACK	7000	200	200	300	300		1000	250
GADWALL	5600	100	200	200	300		1000	250
WIDGEON	185500	500	1000	10000	15000		26500	6625
PINTAIL	7000	50	100	350	500		1000	250
G.W. TEAL	23100	100	200	1000	2000		3300	825
B.W. TEAL	182000	5000	6000	7000	8000		26000	6500
SHOVELER	3500	50	100	150	200		500	125
WOOD DUCK	182000	5000	6000	7000	8000		26000	6500
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP								
GOLDENEYE								
BUFFLEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON Merganser								
RED BR. MERGANSER	37800	1400	1400	1400	1200		5400	1350
HOODED MERGANSER								
TOTAL DUCKS	773500	17400	20200	32400	40500		110500	27625

DISTRICT: Lansing

MONTH: October F.Y. 75

WATERFOWL POPULATIONS	DAY'S USE	FOR PERIOD	Week ending:	10/12	10/19	10/26	11/2	MONTHLY TOTAL	AVERAGE
COOT	347000	4000	10/5	7000	20000	30000	60000	121000	24200
SWAN									
CANADA GOOSE	7350	50		100	300	300	300	1050	210
WHITE FRONT									
SNOW/BLUE	2520	10		50	100	100	100	360	72
OTHER									
TOTAL GEESE	9870	60		150	400	400	400	1410	282
MALLARD	252000	6000		8000	10000	4000	8000	36000	7200
BLACK	31500	500		1000	2000	500	500	4500	900
GADWALL	42000	1000		3000	1000	500	500	6000	1200
WIGEON	490000	15000		15000	20000	10000	10000	70000	14000
PINTAIL	35000	500		1000	1000	500	2000	5000	1000
G.W. TEAL	56000	2000		3000	2000	500	500	8000	1600
B.W. TEAL	161000	8000		8000	2000	1000	1000	23000	4600
SHOVELER	35000	500		1000	500	1000	2000	5000	1000
WOOD DUCK	217000	9000		10000	8000	3000	1000	31000	6200
REDHEAD	24500					500	1000	3500	700
CANVASBACK	24500					500	1000	2000	3500
RING-NECK	56000					1000	2000	5000	1600
SCAUP	196000					5000	8000	15000	28000
GOLDENEYE	3500							500	100
BUFFLEHEAD	14000							2000	400
RUDDY	4900					100	100	500	700
OLD SQUAW									
SCOTER									
COMMON Merganser									
RED BR. Merganser									
FOODED Merganser	23800	1000		1000	1000	200	200	3400	680
TOTAL DUCKS	1666700	43500		51000	57600	33300	52700	238100	47620

## DISTRICT: Lansing

MONTH: November

F.Y. 75

WATERFOWL POPULATIONS	: DAYS USE FOR PERIOD	:: Week ending: 11/9	11/16	11/23	11/30	MONTHLY TOTAL	: AVERAGE
COOT	:: 703500	:: 60000	30000	10000	500	100500	25125
SWAN	:: 490	:: 50	10	10	10	70	18
CANADA GOOSE	:: 6650	:: 300	300	300	50	950	237
WHITE FRONT	:: 1750	:: 100	100	50	-	250	63
SNOW/BLUE	::	::	::	::	::		
OTHER	::	::	::	::	::		
TOTAL GEESE	:: 8400	:: 400	400	350	50	1200	300
MALLARD	:: 231000	:: 5000	20000	7000	1000	33000	8250
BLACK	:: 1470	:: 100	100	10	-	210	53
GADWALL	:: 1470	:: 100	100	10	-	210	53
WIDGEON	:: 171500	:: 5000	15000	4000	500	24500	6125
PINTAIL	:: 45500	:: 1000	5000	500	-	6500	1625
G.W. TEAL	:: 1470	:: 100	100	10	-	210	53
B.W. TEAL	:: 7700	:: 500	500	100	-	1100	275
SHOVELER	:: 28700	:: 2000	2000	100	-	4100	1025
WOOD DUCK	:: 17500	:: 1000	1000	500	-	2500	625
REDHEAD	:: 66500	:: 2000	5000	2000	500	9500	2375
CANVASBACK	:: 168000	:: 4000	10000	8000	2000	24000	6000
RING-NECK	:: 154000	:: 5000	10000	6000	1000	22000	5500
SCAUP	:: 525000	:: 15000	30000	20000	10000	75000	18750
GOLDENEYE	:: 24500	:: 500	1000	1000	1000	3500	875
BUFFLEHEAD	:: 11900	:: 200	500	500	500	1700	425
RUDDY	:: 7070	:: 500	500	10	-	1010	252
OLD SQUAW	::	::	::	::	::		
SCOTTER	::	::	::	::	::		
COMMON MERGANSER	:: 4200	::	10	50	-	600	150
RED BR. MERGANSER	:: 420	::	100	-	-	60	15
HOODED MERGANSER	::	:: 700	100	-	-	100	25
TOTAL DUCKS	:: 1468600	:: 42100	100810	50090	16800	209800	52450

DISTRICT: Lansing

MONTH: December

F.Y. 75

	DAY'S USE	FOR PERIOD	12/7	12/14	12/21	12/28	MONTHLY	TOTAL	AVERAGE
WATERFOWL POPULATIONS	:								
COOT	:	700	100	-				100	25
SWAN	:	770	27	29	34	20		110	28
CANADA GOOSE	:	420	10	50	-			60	15
WHITE FRONT SNOW/BLUE	:								
OTHER	:								
TOTAL GEESE	:	420	10	50	-			60	15
MALLARD	:	5250	500	100	50	100		750	188
BLACK GADWALL	:								
WIDGEON	:								
PINTAIL	:								
G.W. TEAL	:								
B.W. TEAL	:								
SHOVELER	:								
WOOD DUCK	:								
REDHEAD	:	1050	100	50	-			150	38
CANVASBACK	:	4200	500	100	-			600	150
RING-NECK	:	4200	500	100	-			600	150
SCAUP	:	36400	4000	1000	100	100		5200	1300
GOLDENEYE	:	4900	500	100	50	50		700	175
BUFFLEHEAD	:	1190	100	50	10	10		170	42
RUDDY	:								
OLD SQUAW	:								
SCOTER	:								
COMMON Merganser	:	10500	800	500	100	100		1500	375
RED BR. Merganser	:								
HOODED Merganser	:								
TOTAL DUCKS	:	67620	7000	2000	310	360		9670	2418



NATIONAL WILDLIFE REFUGE SYSTEM  
 WILDLIFE USE REPORT  
 SPECIAL RECOGNITION SPECIES  
 (EXCLUDING WATERFOWL)  
 FY-75

LANSING DISTRICT  
 03-3527-CJ-LND

SPECIES	NAME	LINE CODE	USE DAYS			FY	POPULATION	DATE
			JUL-SEP 74	OCT-DEC 74	JAN-MAR 75			
RED-TAILED HAWK	(HARLAN) HAWK	711 3370	665C	410C	250C	6650	1990	20 09/15
RED-SHOULDERED HAWK		711 3390	650	150	0	650	1450	0 10/12
BROAD-WINGED HAWK		711 3430	750	60C	0	750	2100	5 09/15
BALD EAGLE		711 3520	360	2500	19C0	1150	5910	2 12/07
AM. KESTREL (SPARROW HAWK)		711 3600	800	100	100	900	1900	0 03/31
SHORT-EARED OWL		711 3670	300	15C	C	550	1000	0 07/15
BARKED OWL		711 3680	2700	2700	500	7700	13600	2C 03/31
SKEETCH OWL		711 3730	180C	180C	0	1700	5300	15 09/15
GREAT HORNED OWL		711 3750	9100	9100	4000	9100	31300	60 09/15
TOTAL		509260	198100	24500	337931	1114791	2672	0



NATIONAL MILITARY REFUGEE SYSTEM  
VISITS BY MONTH

1 AUGUST 1974 - 31 DECEMBER 1975

VISITS BY MONTH

ACTIVITY NAME	12 MONTH												
	JUN-74	AUG-74	Sep-74	OCT-74	NOV-74	DEC-74	JAN-75	FEB-75	MAR-75	APR-75	MAY-75	JUN-75	TOTAL
NO. VISITS TO OFFICE	22000	27000	20000	27000	10200	5600	7200	7300	8100	6500	23000	23000	188200

NATIONAL WILDLIFE REFUGE SYSTEM  
 LAND USE INVENTORY REPORT  
 FY - 75

LANSING DISTRICT  
 03-3527-53-LND

LAND CLASSIFICATION

ACREAGE

I. DETAILED CLASSIFICATIONS

WETLAND TYPES	ACREAGE
INLAND FRESH AREAS	10,200.0
SEASONALLY FLOOD BASIN/FLAT	9,500.0
SHALLOW FRESH MARSHES	11,300.0
DEEP FRESH MARSHES	4,500.0
OPEN FRESH WATER	
OTHER WETLANDS	
WILDS AND STREAMS	2,700.0
UPLAND TYPES	
FORESTLANDS	3,200.0
NON-COMMERCIAL FORESTS	
OTHER LAND TYPES	
OTHER	228.0
SANDS	
TOTAL ACRES	41,628.0

II. SUMMARY CLASSIFICATIONS

INLAND FRESH AREAS	35,500.0
OTHER WETLANDS	2,700.0
WETLAND TYPES	38,200.0
FORESTLANDS	3,200.0
UPLAND TYPES	3,200.0
OTHER	228.0
OTHER LAND TYPES	228.0

NATIONAL WILDLIFE REFUGE SYSTEM  
WILDLIFE USE REPORT  
(that Enter CWL ONLY)

LANSING DISTRICT  
03-3597-1-3-L00

FY-75

SPECIES NAME	LINE CODE	USE DAYS	***FY-NO. PRODUCED HARVESTED POPULATION			DATE
			JUL-SEP 74	OCT-DEC 74	JAN-MAR 75	
<b>WATERFOWL PRODUCTION</b>						
NON-RETURN SPECIES	080 2210	0	0	0	0	C 0
AMERICAN CROW						
SPOTTED KILLDEER	711 2210	49500	1475600	4500	216000	1749600 0 0 60000 10/15
<b>WATERFOWL MAINTENANCE</b>						
SAND PINTAIL SWAN	731 1820	0	1500	210	5400	7110 0 0 450 04/15
GETTY SAND PINTAIL SWAN	732 1690	C 600	3500 12900	300 26400	91500	4200 131400 0 0 100 10/25
GETTY SAND PINTAIL SWAN	732 1720	C 600	3500 12900	300 26400	91500	4200 131400 0 0 100 04/15
<b>DUCKS</b>						
COMMON MALLARD	733 1290	0	17400	34500	22500	74400 0 0 C 2000
RED-BELLIED MALLARD	733 1300	C 64500	21600	4200	6000	7820 0 0 500 04/05
HIGHBILLED MALLARD	733 1310	64500	21600	4200	55500	145800 0 0 1400 09/15
MALLARD	733 1320	22500	467700	14700	174000	881400 0 0 20000 11/15
BLACK DUCK	733 1330	17300	28500	6000	6600	46500 0 0 2000 10/15
GUADALUPE DUCK	733 1340	6000	37500	1200	3000	47700 0 0 C 3000
AMERICAN WIGEON	733 1350	198900	603000	9900	28500	840300 0 0 20000 10/12
GREEN-WINGED (CLINN.) TEAL	733 1360	24150	49500	1200	10500	853500 0 0 3000 10/00
BLUETTE-FLAMED TEAL	733 1400	25500	147500	1200	96000	499200 0 0 6000 09/15
WHITE BACKED SCAUP	733 1420	4650	60000	1200	45000	110850 0 0 C 3000 04/15
PLATEAU	733 1430	7650	78000	6000	16500	108150 0 0 5000 11/12
REG. SCAUP	733 1440	375000	204000	5900	171200	755900 0 0 10000 10/15
REDHEAD	733 1450	C 6000	54200	6000	24000	124200 0 0 5000 11/12
CANVASBACK	733 1460	C 6000	205500	32900	132000	371400 0 0 10000 11/12
LITTLE CANVASBACK	733 1470	C 6000	771000	47100	387000	1205100 0 0 30000 11/10
KIT-TELESCOPE DUCK	733 1500	C 217500	87700	12000	316500	0 0 10000 11/10
COMMON GOLDENEYE	733 1510	0	35400	27300	28500	91200 0 0 3000 04/05
RIGHT-HEADED	733 1530	C 25200	13650	21000	59250	0 0 2000 10/15
RIGGID DUCK	733 1670	0	13500	1500	6000	21000 0 0 5000 10/12
<b>TOTAL</b>	<b>1221750</b>	<b>4575000</b>	<b>258700</b>	<b>1633500</b>	<b>7686310</b>	<b>300</b> 0

NATIONAL SECURITY DEFENSE SYSTEM PUBLIC REPORT

ACT HDS BY MINTON

ARTIVITIY NIVARE

PERIOD	NOV-74	DEC-74	JAN-75	FEB-75	MAR-75	APR-75	MAY-75	JUN-75
AUG-74	SUP-74	SEPT-74	OCT-74	NOV-74	DEC-74	JAN-75	FEB-75	MAR-75

INTERVAL	20	30	40	100	100
STIMULUS	300	300	300	300	300

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51500  
6500  
6500  
45000

AT GATE • DEP-GIN	2600	2010
AT GATE • DEP-DEP	2700	

THE JOURNAL OF POLITICAL ECONOMY

Constituent	24000	40000	12000	12000	3600	24000	124800
Proportion	6000	4500	1200	900	900	6000	18630
Constituent	12000	20000	6000	6000	1800	12000	60000
Proportion	3000	2500	750	750	750	5000	15000

	TOTAL INTERROGATION TIME	TOTAL INTERROGATION TIME	TOTAL INTERROGATION TIME
30	150	47450	66760
40	100	400	700
100	100	100	300

Initial estimate, 1970-71  
Final estimate, 1971-72

Total number of entries 81100

	JUL-74	AUG-74	SEP-74	OCT-74	NOV-74	DEC-74	JAN-75	FEB-75	MAR-75	APR-75	MAY-75	JUN-75	JULY-75	12 MONTH TOTAL
20000	27000	30000	27200	10200	5600	7200	7300	3100	6500	23000	23000	23000	189200	

14-27-21-  
AUG-74 VISITOR  
VISITS TO OFFICE

14-27-21-  
AUG-74 VISITOR  
VISITS TO OFFICE

AT HHS BY MONTH

14-27-21-  
AUG-74 VISITOR

NATIONAL WILDLIFE CONSERVATION SYSTEM

WATER USE DAYS

WATER USE DAYS

	JUL 1974 - SEP 1974	OCT 1974 - NOV 1974	JAN 1975 - MAY 1975	APR 1975 - JUN 1975	12 MONTH TOTAL
SPECIAL PERMITTING					
GENERAL					
WATER USE ALLOWANCE	49,500	1,470,600	4,500	216,000	1,749,600
STATE					
CONSTITUTION STATE	0	1,500	210	5,400	7,110
STATE CONCE	0	3,000	300	0	4,200
PARK CONCE	600	12,000	26,400	01,500	131,400
REFS					
FOUNDATIONS ORGANISATION OPERATOR ASTRO ORGANISATION	0	17,400	34,500	22,500	74,400
FOUNDATIONS ORGANISATION	0	6,000	1,200	6,000	7,200
GENERAL	64,500	21,600	4,200	55,500	145,300
GENERAL	225,000	467,700	14,700	174,000	881,400
GENERAL	10,000	21,500	600	6,600	46,500
GENERAL	6,000	17,500	1,200	3,000	47,700
GENERAL	103,000	603,000	9,900	29,500	840,200
GENERAL	24,100	47,500	1,200	10,500	86,350
GENERAL	255,000	147,000	1,700	96,000	499,200
GENERAL	4,650	6,000	1,200	45,000	110,850
GENERAL	7,650	73,700	6,000	16,500	108,150
GENERAL	275,000	204,000	9,200	171,000	759,900
GENERAL	0	64,200	6,000	24,000	124,200
GENERAL	0	205,500	22,900	122,000	371,400
GENERAL	0	771,200	47,100	387,000	1,205,100
GENERAL	0	217,500	12,000	87,000	316,500
GENERAL	0	75,400	27,300	26,500	91,200
GENERAL	0	25,200	13,050	21,000	59,250
GENERAL	0	13,500	1,500	6,000	21,000
TOTAL	0	1,500	210	5,400	7,110
TOTAL GEST	600	15,300	91,500	1,320,600	135,600
TOTAL MILES	1,171,650	2,077,100	226,650	258,060	5,796,000
TOTAL WATER USED	1,221,750	4,575,000		1,633,500	7,688,310

NATIONAL WILDLIFE REFUGE SYSTEM  
PEAK MONTHLY WATERFOWL POPULATIONS

03-3527-C3-1 ND

SPECIES NAME	SPECIAL RECOGNITION	JUL 74	AUG 74	SEP 74	OCT 74	NOV 74	DEC 74	JAN 75	FEB 75	MAR 75	APR 75	MAY 75	JUN 75
AMERICAN COOT		20C	200	3000C	60000C	600000	1000	0	0	5000	90000	20000	2000
WATERFOWL MAINTENANCE													
SWANS	WHISTLING SWAN	C	0	0	C	50	34	20	0	10	450	0	0
GEESE	SAND GEESE	C	0	0	1CC	100	0	0	0	30	0	0	0
	CANADA GEESE	C	2	50	3CC	300	50	0	0	2000	5000	50	0
DUCKS	CROWN MERCANSER	C	0	0	C	300	800	100	0	2000	2000	0	0
	RED-BREASTED MERCANSER	C	0	0	C	50	0	0	0	500	500	0	0
	PICATED MERCANSER	40C	400	1400	1000	0	0	0	0	500	1000	500	400
	MALLARD	80C	3000	5000	10000	20000	500	20	20	1000	8000	1000	800
	BLACK DUCK	1C	200	300	2000	100	0	0	0	50	300	10	10
	GADWALL	C	0	300	3000	100	C	0	0	100	200	0	0
	AMERICAN WIGEON	C	100	15000	20000	15000	0	0	0	1000	2000	0	0
	GREEN-WINGED (CIAN.) TEAL	C	20	2000	2000	100	0	0	0	100	1000	0	0
	BLUE-WINGED TEAL	500	3000	8000	8000	500	0	0	0	100	3000	1000	500
	NORTHERN SHOVELER	C	20	200	2000	2000	0	0	0	100	3000	400	0
	PINTAIL	C	20	500	2000	5000	0	0	0	500	1000	0	0
	ACCO DUCK	240C	5CC	8000	10000	1000	0	0	0	900	1500	2500	2400
	REDHEAD	C	0	0	2000	5000	100	0	0	500	2000	0	0
	CA. VASBACK	C	0	0	2000	10000	500	0	0	4000	7000	400	3
	LESSER SCAUP	C	0	0	15000	30000	40000	100	0	5000	22000	1000	0
	RING-NECKED DUCK	C	0	0	5CCC	10000	500	0	0	1000	4000	400	0
	CROWN GOLDENEYE	C	0	0	5CC	1000	500	50	0	2000	3000	0	0
	PUFFLEHEAD	C	0	0	2000	500	100	20	0	1000	1000	0	0
	RUDDY DUCK	C	0	500	500	0	0	0	100	500	0	0	0
TOTAL SWANS		C	0	0	C	50	34	20	0	10	4500	0	0
TOTAL GEESE		C	3	50	4CC	400	50	0	0	2000	5000	500	0
TOTAL DUCKS		411C	11760	40700	88000C	101250	7000	250	20	19950	63000	7210	4110
TOTAL WATERFOWL		411C	11760	40750	88400C	101700	7084	310	20	21990	68450	7260	4110

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NATIONAL MICE SERVICE SYSTEM  
NUMBER OF PUBLIC AFFAIRS ACTIVITIES

130

LANSING DISTRICT

03-3527-C3-LND

PUBLIC-AFFAIR-ACTIVITY-NAME

	JUL=74	AUG=74	SEP=74	OCT=74	NOV=74	DEC=74	JAN=75	FEB=75	MAR=75	APR=75	MAY=75	JUN=75	12 MONTH TOTAL
PUBLIC AFFAIRS	0	2	0	0	0	0	0	0	0	0	0	0	2
TV PROGRAMS	0	8	0	0	0	0	0	0	0	0	0	0	3
RADIO PROGRAMS	0	2	4	2	0	0	0	0	1	0	0	0	13
NEWSPAPER ARTICLES	4	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	12	4	2	0	0	0	1	0	0	0	23

NATIONAL INSTITUTE SYSTEM

AVFRAASKE, AFRICAN HISTORY INSTITUTE OF THE UNIVERSITY OF ILLINOIS.

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CAPITALISM

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TRAILMASTER

NATIONAL WILDLIFE REFUGE SYSTEM  
REPORT OF ECONOMIC OUTPUTS - FY 75

(IN DOLLARS)

LANSING DISTRICT

03-3527-03-LND

TYPE OF BENEFIT

FY

JAN-MAR 75

JUL-SEP 74

TOTAL

REFUGEE RECEIPTS

FUR DEALERS  
GIFT & RECEIPTS

TOTAL

	JUL-SEP 74	JUL-DEC 74	JAN-MAR 75	APR-JUN 75	FY TOTAL
REFUGEE RECEIPTS					
FUR DEALERS	0.00	0.00	0.00	0.00	0.00
GIFT & RECEIPTS	0.00	0.00	0.00	35.00	35.00
TOTAL	0.00	0.00	0.00	35.00	35.00

	JUL-SEP 74	JUL-DEC 74	JAN-MAR 75	APR-JUN 75	FY TOTAL
REFUGEE RECEIPTS					
FUR DEALERS	867.10	867.10	867.10	867.10	867.10
GIFT & RECEIPTS	0.00	0.00	0.00	35.00	35.00
TOTAL	867.10	867.10	867.10	35.00	902.10

NATIONAL WILDLIFE REFUGE SYSTEM  
REPORT OF MISCELLANEOUS OUTPUTS  
FY-75

LANSING DISTRICT  
03-3527-03-LND

TYPE OF OUTPUTS	UNITS	FY TOTAL
PROFESSIONAL SERVICES		
BANDING		
BY REFUGE PERSONNEL	PROGRAM	1
COTHER COOPERATIVE PROGM	PROGRAM	2
ENVIRONMENTAL PRESERVATION		
NATURAL AREAS		
COTHER RES NAT AREAS	AREA	1
MISCELLANEOUS WILDLIFE OUTPUTS		
WILDLIFE DIVERSITY	NO. SPECS	255

NATIONAL WILDLIFE REFUGE SYSTEM  
WILDLIFE USE REPORT  
WILDLIFE USE REPORT - WATERFOWL  
(USE DAYS, HARVEST, & PRODUCTION)  
FY-75

ESTATE PLANNING

\*\*\*\*\* USE DAYS \*\*\*\*\*  
LINE CURE JUL-SEP 74 OCT-DEC 74 JAN-MAR 75 APR-JUN 75 FY TOTAL  
PRODUCED HARVESTED POPULARITY  
FY-N.O. FY-N.O. FY-P.E.

NATIONAL WILDLIFE REFUGE SYSTEM  
 WILDLIFE USE REPORT  
 (USE DAYS, HARVEST, & PRODUCTION)  
 FY-75

DISTRICT #  
 227-02-Los

\*\*\*\*\* USE DAYS \*\*\*\*\* USE DAYS \*\*\*\*\* USE DAYS \*\*\*\*\*  
 LINE CODE JUL-SEP 74 OCT-DEC 74 JAN-MAR 75 APR-JUN 75 FY TOTAL  
 FY-NO. PRODUCED HARVESTED POPULATION DATE

SPECIES NAME  
 TYPICAL PRODUCTION

Species	Line Code	Jul-Sep 74	Oct-Dec 74	Jan-Mar 75	Apr-Jun 75	FY Total	FY-NO.	Prod.	HARVEST	Population	Date
Amber-Phase Sanderling	203	1310	0	0	0	0	900	C	C	3	
Black-tail Godwit	202	1320	0	0	0	0	1600	C	C	3	
Black Duck	203	1230	0	0	0	0	20	0	0	0	
Blue-winged Teal	203	1400	0	0	0	0	800	0	0	0	
Green Duck	303	1440	0	0	0	0	5800	0	0	0	
<b>TOTAL</b>		<b>1221750</b>	<b>4575000</b>	<b>258060</b>	<b>1633500</b>	<b>7686310</b>	<b>5420</b>				